

MEMORY BUS POLARITY INDICATOR SYSTEM AND METHOD FOR REDUCING  
THE AFFECTS OF SIMULTANEOUS SWITCHING OUTPUTS (SSO) ON MEMORY  
BUS TIMING

5

ABSTRACT OF THE DISCLOSURE

10 A method and system transfer read data from a memory device having a data  
bus and a data masking pin adapted to receive a masking signal during write operations of  
the memory device. The method includes placing a sequence of read data words on the  
data bus and applying a data bus inversion signal on the data masking pin, the data bus  
inversion signal indicating whether the data contained each read data word has been  
15 inverted. Another method and system transfer data over a data bus. The method includes  
generating a sequence of data words, at least one data word including data bus inversion  
data. The sequence of data words is applied on the data bus and is thereafter stored. The  
data bus inversion data is applied to invert or not invert the data contained in the stored data  
words.

H:\IP\Documents\Clients\Micron Technology\1100\501128.01\501128.01-AP-V2.doc

20